RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/987, 151 D

Source: JFW16

Date Processed by STIC: 08/22/2001

ENTERED



IFW16

RAW SEQUENCE LISTING DATE: 08/22/2005 PATENT APPLICATION: US/09/981,151D TIME: 10:02:32

Input Set : D:\Cura 468 SEQ list 0705.txt
Output Set: N:\CRF4\08222005\I981151D.raw

- 3 <110> APPLICANT: Guo, Xiaojia 5 <120> TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same 7 <130> FILE REFERENCE: 21402-168 9 <140> CURRENT APPLICATION NUMBER: 09/981,151D (pg.6) 10 <141> CURRENT FILING DATE: 2001-10-16 12 <150> PRIOR APPLICATION NUMBER: 60/241,040 13 <151> PRIOR FILING DATE: 2000-10-17 15 <150> PRIOR APPLICATION NUMBER: 60/241,058 16 <151> PRIOR FILING DATE: 2000-10-17 18 <150> PRIOR APPLICATION NUMBER: 60/241,063 19 <151> PRIOR FILING DATE: 2000-10-17 21 <150> PRIOR APPLICATION NUMBER: 60/241,243 22 <151> PRIOR FILING DATE: 2000-10-17 24 <150> PRIOR APPLICATION NUMBER: 60/242,152 25 <151> PRIOR FILING DATE: 2000-10-20 27 <150> PRIOR APPLICATION NUMBER: 60/242,482 28 <151> PRIOR FILING DATE: 2000-10-23 30 <150> PRIOR APPLICATION NUMBER: 60/242,611 31 <151> PRIOR FILING DATE: 2000-10-23 33 <150> PRIOR APPLICATION NUMBER: 60/242,612 34 <151> PRIOR FILING DATE: 2000-10-23 36 <150> PRIOR APPLICATION NUMBER: 60/242,880 37 <151> PRIOR FILING DATE: 2000-10-24 39 <150> PRIOR APPLICATION NUMBER: 60/242,881 40 <151> PRIOR FILING DATE: 2000-10-24 42 <150> PRIOR APPLICATION NUMBER: 60/259,028
- 45 <150> PRIOR APPLICATION NUMBER: 60/269,813 46 <151> PRIOR FILING DATE: 2001-02-20 48 <150> PRIOR APPLICATION NUMBER: 60/286,324
- 49 <151> PRIOR FILING DATE: 2001-04-25

43 <151> PRIOR FILING DATE: 2000-12-29

- 51 <150> PRIOR APPLICATION NUMBER: 60/294,108
- 52 <151> PRIOR FILING DATE: 2001-05-29
- 54 <150> PRIOR APPLICATION NUMBER: 60/303,968
- 55 <151> PRIOR FILING DATE: 2001-07-09
- 57 <160> NUMBER OF SEQ ID NOS: 166
- 59 <170> SOFTWARE: PatentIn Ver. 2.1
- 61 <210> SEQ ID NO: 1
- 62 <211> LENGTH: 2997
- 63 <212> TYPE: DNA
- 64 <213> ORGANISM: Homo sapiens
- 66 <220> FEATURE:
- 67 <221> NAME/KEY: misc_feature

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Output Set: N:\CRF4\08222005\I981151D.raw

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122 cttggatctg atgctgttga agacgtctgt ggggtgtgta acgggaataa ctcagcctgc 2460
123 acqattcaca qqqqtctcta, caccaagcac caccacacca accattatca catggtcacc 2520
124 attecttetg gageceggag tateegeate tatgaaatga aegtetetae eteetaeatt 2580
125 tetqtqcqca atqccctcaq aaqqtactac etqaatqqqc actqqaccqt ggactgqccc 2640
126 ggccggtaca aattttcggg cactactttc gactacagac ggtcctataa tgagcccgag 2700
127 aacttaatcg ctactggacc aaccaacgag acactgattg tggagctgct gtttcaggga 2760
128 aqqaacccqq qtqttqcctq qqaatactcc atgcctcqct tqqqqaccqa qaagcaqccc 2820
129 cetqeecaqe ceaqetacae ttqqqeeate qtqeqetetq agtqetecqt qteetqeqga 2880
130 gggggtaggt gccttccagt gctgctcctg gaggcagcat gtcagccttc agccactgcg 2940
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141 <222> LOCATION: (283)
142 <223> OTHER INFORMATION: Wherein Xaa is any amino acid.
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146 <222> LOCATION: (792)
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154
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156 Arg Gly Asn Arg Gly Ser Gly Gln Leu Glu Ala Ser Pro Pro Arg Leu
             35
                                 40
159 Leu Ser Arg Gly Pro Arg Arg Leu Thr Ala Met Ser Pro Leu Phe Ser
                             55
162 Ala Gly Thr Cys Val Arg His Gly Thr Arg Ser Gly Ser Ala Trp Glu
163
165 Pro Glu Arg Pro Ala Ser Ser Ser Thr Arg Gly Ala Ala Gly Leu Asp
166
                                         90
                     85
168 Gly Lys Gly Arg Asp Met Asp Glu Ala Gly Asn His Arg Ser Gln Gln
                                    105
                                                         110
171 Thr Asn Thr Gly Thr Glu Asn Gln Thr Leu His Val Leu Thr Gln Tyr
                                                    125
                                120
           115
174 Asp Leu Val Ser Ala Tyr Glu Val Asp His Arg Gly Asp Tyr Val Ser
        130
                            135
177 His Glu Ile Met His His Gln Arg Arg Arg Ala Val Ala Val Ser
                                            155
178 145
                        150
180 Glu Val Glu Ser Leu His Leu Arg Leu Lys Gly Pro Arg His Asp Phe
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                                        170
183 His Met Asp Leu Arg Thr Ser Ser Ser Leu Val Ala Pro Gly Phe Ile
184
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Input Set : D:\Cura 468 SEQ list 0705.txt
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	189 190	Pro	Glu 210	Asp	Phe	Cys	Phe	Tyr 215	Gln	Gly	Ser	Leu	Arg 220	Ser	His	Arg	Asn
		Ser 225	Pro	Ser	His	Gly	Gly 230	Lys	Phe	Cys	Glu	Gly 235	Ser	Thr	Arg	Thr	Leu 240
			Leu	Cys	Asn	Ser 245	Gln	Lys	Cys	Pro	Arg 250	Asp	Ser	Val	Asp	Phe 255	Arg
		Ala	Ala	Gln	Cys 260		Glu	His	Asn	Ser 265	Arg	Arg	Phe	Arg	Gly 270	Arg	His
W>	201 202	Tyr	Lys	Trp 275	Lys	Pro	Tyr	Thr	Gln 280	Val	Glu	Xaa	Asp	Leu 285	Сув	Lys	Leu
	204 205	Tyr	Cys 290	Ile	Ala	Glu	Gly	Phe 295	Asp	Phe	Phe	Phe	Ser 300	Leu	Ser	Asn	Lys
		Val 305	Lys	Asp	Gly	Thr	Pro 310	Сув	Ser	Glu	Asp	Ser 315	Arg	Asn	Val	Cys	Ile 320
	210 211	Asp	Gly	Ile	Cys	Glu 325	Leu	Ser	Val	Val	Ser 330	Thr	Ser	Ala	His	Met 335	Pro
	213 214	Gln	Pro	Pro	Lys 340	Glu	Asp	Leu	Phe	Ile 345	Leu	Pro	Asp	Glu	Tyr 350	Lys	Ser
	216 217	Cys	Leu	Arg 355	His	Lys	Arg	Ser	Leu 360	Leu	Arg	Ser	His	Arg 365	Asn	Glu	Glu
	219 220	Leu	Asn 370	Val	Glu	Thr	Leu	Val 375	Val	Val	Asp	Lys	Lys ⁻ 380	Met	Met	Gln	Asn
		His 385	Gly	His	Glu	Asn	Ile 390	Thr	Thr	Tyr	Val	Leu 395	Thr	Ile	Leu	Asn	Met 400
	226					405	Lys				410					415	
	229				420		Ile			425	_				430		
	232			435			Asp		440					445			
	235		450				Lys	455					460				
,	238	465		_		_	11e 470					475					480
	241					485	Ile				490					495	
	244				500	_	Thr	_		505					510		
	247		•	515			Phe		520					525			
•	250	_	530	_			Gly	535					540				
	253	545	_				Trp 550			_		555					560
	256					565	Gln			_	570					575	
	∠⊃8	val	ьys	GIU	TAL	пÄг	Tyr	PLO	GIU	тАг	ьeп	PLO	GTA	GIU	ьeu	TAT	App

RAW SEQUENCE LISTING DATE: 08/22/2005
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Input Set : D:\Cura 468 SEQ list 0705.txt
Output Set: N:\CRF4\08222005\I981151D.raw

259				580					585					590		
	ת ות	λan	Thr		Cvc	Larg	Trn	Gln		G] v	Glu	Luc	Δla		T.011	Cvc
	AIA	ASII	595	GIII	Cys	пуэ	тър	600	FIIC	GIY	GIU	цуз	605	цуз	пец	Cys
262	Mat	T 011		Dho	Lva	Tvc	Λcn		Cvc	Larc	Ala	Len		Cvc	Hic	Δrα
	Mec		ASP	PHE	пуъ	цуь	615	116	СуБ	цур	AIA	620	тър	Cys	1113	Arg
265	T1.	610	71	T	C	~1		T	Dho	Mot	Dro		777-		C111	Thr
		GIY	Arg	гÀг	Cys		THE	ьуѕ	Pne	мес	Pro	Ата	Ala	GIU	GIY	640
	625	~	~7		_	630		~	3	a 1	635	~1	~	77-3	T	
	тте	Cys	GIY	His	_	Met	Trp	Cys	Arg	_	Gly	GIN	Cys	vai		Tyr
271		_			645	_	_	_,		650			_	_	655	~
	GIY	Asp	Glu	-	Pro	гàг	Pro	Thr		GIA	His	Trp	ser	_	Trp	ser
274	_	_	_	660	_	_	_	 3	665	~1	~1	a 1.	** - 7	670	***	3
	Ser	Trp		Pro	Cys	Ser	Arg		Cys	GIY	Gly	GIA		ser	HIS	Arg
277	_	_	675	_	_,	_	_	680	_			a 1	685	.	Dl	a
	Ser		Leu	Cys	Thr	Asn		Asn	Pro	Ser	His		GIY	ьys	Pne	Cys
280		690	_		_		695	_	_	_	_	700	~ 7	_	_	_
		Gly	Ser	Thr	Arg		Leu	ьуs	Leu	Cys	Asn	ser	Gin	ьys	Cys	
	705					710	_				715				_	720
	Arg	Asp	Ser	Val		Phe	Arg	Ala	Ala		Cys	Ala	GIu	His		ser
286			_		725			_		730	_	_		_	735	_
	Arg	Arg	Phe		Gly	Arg	His	Tyr		Trp	Lys	Pro	GIn		Leu	Cys
289				740					745	_	_,	_,	_,	750	_	_
	Lys	Leu		Cys	He	Ala	Glu		Phe	Asp	Phe	Phe		Ser	Leu	ser
292			755					760	_	_		_	765	_	_	
	Asn	-	Val	Lys	Asp	Gly		Pro	Cys	Ser	Glu		Ser	Arg	Asn	Val
295		770					775			_	_	780		_	~ 7	_
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	785				_	790	_			_	795	~7	_	_	_	800
	Asp	Ala	Val	Glu	_	Val	Cys	GLY	Val		Asn	GIY	Asn	Asn		Ala
301	_				805		_	_	1	810				1	815	
	Cys	Thr	Ile		Arg	GLY	Leu	Tyr		Lys	His	His	His		Asn	His
304	_	1		820	_,		_	_	825		_	a	-1.	830	~1 .	m
	Tyr	His		Val	Thr	lle			GIY	Ата	Arg	ser		Arg	TTE.	Tyr
307			835		_	_,		840					845		.	7
	GIu		Asn	Val	Ser	Thr		lyr	TTE	ser	Val		Asn	Ala	ьeu	arg
310	_	850	_	_	_	~1	855		m1	**- 7	7	860	D	~ 1	7	m
		Tyr	Tyr	Leu	Asn		HIS	Trp	Thr	vaı	Asp	Trp	Pro	GIY	Arg	
	865	_,	_		-1	870	-1	_	_		875			3	a 1	880
	Lys	Phe	Ser	GTĀ		Thr	Phe	Asp	Tyr	_	Arg	ser	Tyr	Asn		Pro
316	-		_		885			_		890	~ 7	1	_	- 7	895	~1
	GIu	Asn	Leu		Ala	Thr	GIY	Pro		Asn	Glu	Thr	ьeu		vaı	Glu
319				900		_	_	_	905			_	~-1	910	_	
	Leu	Leu		Gln	Gly	Arg	Asn		GLy	Val	Ala	Trp		Tyr	Ser	Met
322			915	_	_	_		920					925	_	_	_,
	Pro	_	Leu	Gly	Thr	Glu		Gln	Pro	Pro	Ala		Pro	Ser	Tyr	Thr
325		930					935			_		940			_	_
	_	Ala	Ile	Val	Arg		Glu	Cys	Ser	Val		Cys	GLy	Gly	GLY	Arg
	945			_		950	_				955		_	_		960
	Cys	Leu	Pro	Val		Leu	Leu	Glu	Ala		Cys	Gln	Pro	Ser		Thr
331					965					970					975	

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/09/981,151D DATE: 08/22/2005 TIME: 10:02:33

Input Set : D:\Cura 468 SEQ list 0705.txt Output Set: N:\CRF4\08222005\I981151D.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 857,858,2383,2983 Seq#:2; Xaa Pos. 283,792

Seq#:23; N Pos. 2196,2230,2261,2270,2295,2301

Seq#:34; Xaa Pos. 450 Seq#:65; Xaa Pos. 41

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/981,151D

DATE: 08/22/2005 TIME: 10:02:33

Input Set : D:\Cura 468 SEQ list 0705.txt
Output Set: N:\CRF4\08222005\I981151D.raw

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M:341 Repeated in SeqNo=1

L:201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:272

M:341 Repeated in SeqNo=2

L:1956 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:2160

M:341 Repeated in SeqNo=23

 $L\colon\!3356$ $M\colon\!341$ W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:448

L:6506 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65 after pos.:32

8/22/05